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**TITLE: System and method for positioning a
mobile terminal
using a terminal based browser**

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A telecommunications system and method is disclosed which utilizes a terminal-based browser, such as the Wireless Application Protocol (WAP) "deck", within a Mobile Station (MS) to connect the MS to web-based location services and to a Mobile Positioning Center (MPC). Terminal based browsers, such as WAP "deck", allow for the graphical presentation of the current location of the MS on a display on the MS and provide an interactive user dialog, which permits the mobile subscriber to determine the format of the graphical presentation of the current location of the MS.

The present invention is directed to

200, which can then connect to a web-based location application 330 (step 405), e.g., a Wireless Marked Language (WML) Location Application (LA). This can be accomplished, for example, by using a graphical user interface in which a mouse 302 (or trackball embedded within the MS 200) on a keypad, generally designated by the reference numeral 304, of the MS 200 can be used to select the positioning function icon on a display 308 of the MS 200. Alternatively, the positioning function can be selected by using a number of keys 306 on the keypad 304 of the MS 200 to activate the terminal-based browser 305. The connection is made from the MS 200 to the web-based location application 330 via the cellular network 310 and the Internet 320, using, for example, Transmission Control Protocols/Internet Protocols (TCP/IP). The TCP/IP protocol specifies the addressing of nodes on the Internet 320 and provides a method of sending packets of data from one node to another.

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**TITLE: Facilitating memory constrained client
devices by
employing deck reduction techniques**

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The Wireless Application Protocol, or "WAP", is an industry standard protocol specification created for mobile Internet use. WAP was defined by the WAP Forum, and specifies protocols for delivering information over a wireless network to WAP client devices (where a "WAP client device", or "WAP client", is a device conforming to the WAP architectural requirements).

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telecommunications systems and methods which utilize a terminal-based browser, such as the Wireless Application Protocol (WAP) "deck", within a Mobile Station (MS) to connect the MS to web-based location services and to a Mobile Positioning Center (MPC). Terminal-based browsers, such as WAP "deck", allow for the graphical presentation of the current location of the MS on a display on the MS and provide an interactive user dialog, which permits the mobile subscriber to determine the format of the graphical presentation of the current location of the MS.

With reference now to FIG. 4 of the drawings, which will be described in connection with FIG. 3 of the drawings, steps in a sample positioning process for locating a Mobile Station 200 within a cellular network 310 and displaying that location graphically on the MS 200 are illustrated. Initially, when a mobile subscriber desires the location of the MS 200, the mobile subscriber can initiate positioning of the MS 200 by activating a terminal-based browser 305 (step 400), e.g., a Wireless Application Protocol (WAP) "deck", within the MS